

REMARKS/ARGUMENTS

Re-examination and favorable reconsideration in light of the above amendments and the following comments are respectfully requested.

Claims 1 - 17 are pending in the application. Currently, all claims stand rejected.

By the present amendment, claims 1, 2, and 5 - 7 have been cancelled without prejudice and new claims 18 - 24 have been added to the application. Further, claims 3, 4, 8, 9, and 14 - 17 have been amended to change their claim dependency from claim 1 to new claim 18.

In the office action mailed March 23, 2005, claims 1 - 5, 7 - 11, and 14 - 17 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,288,207 to Linask in view of U.S. Patent No. 5,503,529 to Anselmi et al.; claims 1 - 3, and 5 - 17 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,931,638 to Krause et al. in view of Anselmi et al.; and claims 1 - 3, 5, 6, and 14 - 17 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,975,851 to Liang in view of Anselmi et al.

The foregoing rejections are traversed by the instant response.

The present invention broadly relates to a component for use in a gas turbine engine. The component has an airfoil portion having a trailing edge. The component further includes means for maximizing thermal performance of the component by reducing a relative diffusion angle between an injected coolant flow and a streamline direction of a fluid passing over said airfoil portion.

The application now contains two new independent claims - claims 18 and 19. Claim 18 is allowable over the cited and

applied references because none of the cited and applied references teach or suggest the combination of elements set forth in the claim. In particular, none of the references teaches or suggests the claimed combination of outlets, teardrop assemblies, and pedestals. With respect to claim 19, this claim is also allowable because none of the references teaches or suggests the claimed combination of elements. In particular, none of the references teaches or suggests a pedestal array which has a spanwise variable density. The Linask and Krause et al. references show pedestal arrays which are spanwise constant in density.

As for claims 3, 4, 8 - 17 and 20 - 24, these claims are allowable for the same reasons that their parent claims are allowable as well as on their own accord.

The objection raised by the Examiner is duly noted. No correction is believed to be necessary because the statement is accurate. The gas path free stream being discussed is not that at the platform but rather is that flowing over the airfoil portion. As for the Examiner's inquiry about the direction of travel of the cooling flow, please see Anselmi et al. which also shows a cooling flow near the bottom platform to be inclined relative to the bottom platform surface. The Examiner is respectfully requested to withdraw the objection.

The instant application is believed to be in condition for allowance. Such allowance is respectfully solicited.

Should the Examiner believe an additional amendment is needed to place the case in condition for allowance, he is hereby invited to contact Applicants' attorney at the telephone number listed below.

Appl. No. 10/754,265
Amdt. dated June 23, 2005
Reply to office action of March 23, 2005

Attorney Docket No.: EH-10979(03-513)

No fee is believed to be due as a result of this response.
Should the Director determine that a fee is due, he is hereby
authorized to charge said fee to Deposit Account No. 21-0279.

Respectfully submitted,

Dominic J. Mongillo, Jr. et al.

By 

Barry L. Kelmachter
BACHMAN & LaPOINTE, P.C.
Reg. No. 29,999
Attorney for Applicants

Telephone: (203) 777-6628 ext. 112
Telefax: (203) 865-0297
Email: docket@bachlap.com

Date: June 23, 2005

I, Nicole Motzer, hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313" on June 23, 2005.

